AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Method~~ A method for generating data to be used for assessing cognitive or sensomotor capabilities or capacities of a test person, ~~characterized in that~~ comprising the steps of:

registering measured ~~measuring~~ samples, which are collected by a per se known measuring means and image cerebral activities of the test person, ~~are registered~~ during time frames which are synchronized with a ~~prensentation~~ presentation of a succession of test situations to the test person;

tracing and locating , ~~that,~~ from the collected measuring samples, relevant changes in cerebral activity ~~are traced and located~~ in the brain of the test person;

assigning ~~that the~~ relevant activity changes ~~are assigned~~ to a plurality of groups, wherein each group contains the relevant activity changes located in a predetermined cerebral region;

interrelating ~~that the~~ groups of relevant activity changes ~~are interrelated~~; and,

preparing ~~that~~ data defining the relation between the groups ~~is prepared~~ for ~~the~~ assessment.

2. (Currently Amended) ~~Method~~ The method according to claim 1, ~~characterized in that~~wherein, the step of tracing and locating relevant activity changes, the step of assigning relevant activity changes to groups and the step of interrelating the groups are carried out for <u>at least one of:</u> ~~the~~ <u>a</u> sum of the measuring samples registered in all ~~the~~ time frames, ~~or for~~ each individual time frame, <u>and</u> ~~or for~~ a group of time frames each.

3. (Currently Amended) ~~Method~~ The method according to claim 1 ~~or 2~~, ~~characterized in that~~ <u>wherein</u> the time frames for registering of measuring samples are synchronized with ~~the~~ <u>a</u> succession of test situations ~~in~~ such ~~a manner~~ that a time frame begins at ~~the~~ <u>a</u> start of each test situation of the succession.

4. (Currently Amended) ~~Method~~ The method according to claim 3, ~~characterized in that~~wherein ~~, the~~ each time frame has a length of between 0.1 and 3000 seconds.

5. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 4, characterized in that~~ <u>claim 1, wherein</u> the test situations are problems which are solvable using a specific experience and which are presented visually or acoustically.

6. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 4, characterized in that~~ <u>claim 1, wherein</u> the test situations are images or other situations aimed at a possible experience of the test person.

7. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 6, characterized in that~~ claim 1, wherein the relevant activity changes are traced by filtering and/or by an admittance test.

8. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 6, characterized in that~~ claim 1, wherein the cerebral regions of the step of assigning relevant activity changes to groups are the cerebral region of the frontal, occipital and parietal lobes and the cerebral region of the temporal lobe, the hippocampus, and the limbic system.

9. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 8, characterized in that~~ claim 1, wherein the step of interrelating the groups of relevant activity changes comprises the step of determining a proportion of numbers of relevant activity changes in the groups.

10. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 9, characterized in that~~ claim 1, wherein the step of preparing the data for ~~the~~ assessment comprises presenting the data describing the group relation visually or acoustically together with ~~experimimnetially~~ experimentally determined assessement grades, comparative data and/or threshold values.

11. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1 to 10, characterized in that~~ claim 1, wherein the measuring samples are

collected by magnetic encephalography or electro-encephalography and ~~that~~ wherein the relevant activity changes are potential sources of ~~the~~ a frequency range of 4 to 80 hertz and with a goodness of fit of more than 90%.

12. (Currently Amended) ~~Method~~ The method according to claim 11, ~~characterized in that~~ wherein the measuring samples are recorded with a frequency of 10 to 5000 hertz.

13. (Currently Amended) ~~Data~~ A data processing system for generating data to be used for assessing cognitive or sensomotor capabilities or capacities of a test person, ~~characterized in that the system comprises~~ comprising:

an interface for input of measuring samples collected by a per se known method, the measuring samples imaging cerebral activities of the test person, ~~as well as a~~

means for presenting a succession of different test situations to the test person, ~~a~~

means for synchronizing the succession of test situations with time frames in which measuring samples are registered, ~~a~~

means for tracing and locating relevant activity changes from the registered measuring samples, ~~a~~

means for assigning the relevant activity changes to a plurality of groups based on the location of the activity changes in a plurality of different predetermined cerebral regions, ~~a~~

means for interrelating the groups of relevant activity changes, and ~~a~~

means for preparing data describing the relation between the groups for ~~the~~ assessment.

14. (Currently Amended) ~~Data~~ The data processing system according to claim 13, ~~characterized in that~~ wherein the means for tracing and locating relevant activity changes comprises ~~a~~ means for filtering and/or a means for subjecting the traced activity changes to an admittance test.

15. (Currently Amended) ~~Data~~ The data processing system according to ~~any one of claims 13 or 14, characterized in that it further comprises~~ claim 13, further comprising a display screen or a loudspeaker for visual or acoustic presentation of the succession of test situations and/or for the step of preparing the data reflecting the group relation for the assessment.

16. (Currently Amended) A storage ~~Storage~~ medium with a program code stored therein~~within~~, ~~which~~ said storage medium, when inserted into a computer, induces the computer to perform the ~~a~~ method ~~according to any one of claims 1 to 12~~ of claim 1.

17. (Currently Amended) Use of the method according to ~~any one of claims 1 to 12~~ claim 1 for assessing ~~for the assessment of~~ test persons with regard to their ability to make use of their experience.

18. (Currently Amended) Use of the method according to ~~any one of claims~~

~~1 to 12~~ claim 1 as a lie detector.